

DOCKET: CU-2734

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Kazuhiro SUGA

SERIAL NO: 09/995,062

FILED: November 27, 2001

) Group Art Unit: 1774

) Examiner: Lawrence D. Ferguson

TITLE: ELECTROMAGNETIC WAVE-SHIELDING CONSTRUCTION
MATERIAL AND METHOD FOR PRODUCING THE SAMETHE COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450**AMENDED CLAIMS**

1. (currently amended) An electromagnetic wave-shielding construction material comprising laminating an electromagnetic wave-shielding sheet, prepared by forming a conductive ink layer on one surface of a base material sheet by printing, on at least one plate surface of a panel section formed of a mixed material ~~consisting of~~ containing major panel components and a conductive material such that the conductive ink layer is in contact with the plate surface.
2. (original) An electromagnetic wave-shielding construction material according to claim 1, wherein the conductive ink layer in the electromagnetic wave-shielding sheet is formed net-wise.
3. (original) An electromagnetic wave-shielding construction material according to claim 2, wherein the line width of the conductive ink layer is 0.5 mm or more and the opening ratio of the conductive ink layer is 30% or more.
4. (original) An electromagnetic wave-shielding construction material according to claim 1, wherein a composition containing a polyol as its major component and an isocyanate compound as a crosslinking agent is used as a vehicle of the ink forming the conductive ink layer in the electromagnetic wave-shielding sheet.

FAX RECEIVED
JUL 29 2003
GROUP 1700

5. (original) An electromagnetic wave-shielding construction material according to claim 2, wherein a composition containing a polyol as its major component and an isocyanate compound as a crosslinking agent is used as a vehicle of the ink forming the conductive ink layer in the electromagnetic wave-shielding sheet.
6. (currently amended) An electromagnetic wave-shielding construction material according to Claim 3, wherein a composition containing a polyol as its major component and an isocyanate compound as a crosslinking agent is used as a vehicle of the ink forming the conductive ink layer in the electromagnetic wave-shielding sheet.
7. (original) A method for producing the electromagnetic wave-shielding construction material as claimed in claim 1, the method comprising laminating the electromagnetic wave-shielding sheet on at least one plate surface of the panel section in the condition that the conductive ink layer is in contact with the plate surface.
8. (original) A method for producing the electromagnetic wave-shielding construction material according to claim 7, a composition containing a polyol as its major component and an isocyanate compound as a crosslinking agent is used as a vehicle of the ink forming the conductive ink layer and the conductive ink layer is cured by heating in the process of laminating the panel section and the electromagnetic wave-shielding sheet.
9. (original) A method for producing an electromagnetic wave-shielding construction material, the method comprising feeding a first sheet from a first roll, supplying a mixed material of major components of a panel and a conductive material to the upside of the first sheet and supplying a second sheet to the upside of the mixed material from a second roll, to form a lengthy electromagnetic wave-shielding construction material provided with sheets stuck to the upper and lower surfaces of the panel section and cutting the construction material into predetermined lengths to thereby obtain an electromagnetic wave-shielding construction material having a predetermined form, wherein an electromagnetic wave-shielding sheet prepared by forming a conductive ink layer

on one surface of a base material sheet by printing is used as at least one of said first sheet and second sheet.

10. (original) A method for producing an electromagnetic wave-shielding construction material according to claim 9, wherein the conductive ink layer in the electromagnetic wave-shielding sheet is formed net-wise.

11. (new) An electromagnetic wave-shielding construction material according to Claim 1, wherein a surface resistance of the panel section is 1 to $10^3 \Omega/\square$.

12. (new) An electromagnetic wave-shielding construction material according to Claim 1, wherein the amount of a conductive material is 4 to 70 mass% in the mixed material.